



Standards *Actions*

DOE Projects Canceled

The following DOE technical standards project was recently canceled. If you have any questions about this action, please contact the persons listed below.

- *Software Quality Assurance Requirements, Procedures, and Guidelines*, Project QCIC-0008; Burton Rothleder, EH-31, 301-903-3726, FAX 301-903-9523, Burton.Rothleder@hq.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of these documents is available on

the Technical Standards Program (TSP) Web Site at the URL shown at the bottom of this page. If you wish to comment on these documents, please notify your TSM.

- *DOE Handbook Design Considerations*, Project Number EDCN-0001; Richard Stark, EH-31; 301-903-4407, FAX 301-903-6172, Richard.Stark@hq.doe.gov, comments due March 23, 1998.

DOE Documents Recently Published

The following DOE documents have recently been published:

- *DOE-STD-1027-92*, *Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23*, *Nuclear Safety Analysis Reports*, Change Notice No. 1, September 1997.
- *DOE-STD-1063-97*, *Establishing and Maintaining a Facility Representative Program at DOE Facilities*, October 1997.
- *DOE-HDBK-1110-97*, *ALARA Training for Technical Support Personnel*, October 1997.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

Technical Standards Program Document Status as of 1/30/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	37	20	3

Total in process = 57

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The following document was recently added to the TSP Web Page:

- *DOE-TSL-2-98*, *Directory of Points of Contact for the DOE Technical Standards Program*, January 1998.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

The following American National Standards are currently in coordination:

- A10.7, *Commercial Explosives and Blasting Agents - Safety Requirements for Transportation, Storage, Handling and Use* (revision of ANSI A10.7-1989); comments due March 17, 1998.
- ASME A18.1, *Safety Standard for Platform Lifts and Stairway Chairlifts* (new standard); comments due March 3, 1998.
- ASME B16.34a, *Valves - Flanged, Threaded, and Welding End* (revision of ANSI/ASME B16.34-1996); comments due March 17, 1998.
- ASME B18.24.3, *Part Identifying Number (PIN) Code System Standard for B18 Non-Threaded Products* (new standard); comments due March 17, 1998.
- ASTM E1275, *The Use of a Radiochromic Film Dosimetry System, Practice for* (revision of ANSI/ASTM E1275-93); comments due March 3, 1998.
- ASTM Z4225Z, *Test Method for Examination of Liquid-Filled Atmospheric and Low-Pressure Metal Storage Tanks Using Acoustic Emission* (new standard); comments due March 17, 1998.
- ASTM Z5662Z, *Guide for X-Ray Compton Scatter Tomography* (new standard); comments due March 17, 1998.
- ASTM Z5904Z, *Practice for Determining Contrast Discrimination Visual Acuity of Radiographic Interpreters* (new standard); comments due March 17, 1998.
- ASTM Z5919Z, *Test Method for Thermal and Evaporative Resistance of Clothing Materials Using a Sweating Hot Plate* (new standard); comments due March 17, 1998.
- ASTM Z6126Z, *Test Method for Radiant Protective Performance of Flame Resistant Clothing Materials* (new standard); comments due March 17, 1998.
- ASTM Z6211Z, *Test Methods for Measuring and Compensating for Emissivity Using Infrared Imaging Radiometers* (new standard); comments due March 17, 1998.
- ASTM Z6212Z, *Guide for Examining Electrical and Mechanical Equipment with Infrared Thermography* (new standard); comments due March 17, 1998.
- ASTM Z6289Z, *Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire Simulations Using an Instrumental Manikin* (new standard); comments due March 17, 1998.
- ASTM Z6600Z, *Reference Radiograph for Evaluating the Performance of Radiographic Digitization Systems* (new standard); comments due March 17, 1998.
- CAGI B186.1, *Safety Code for Portable Air Tools* (new standard); comments due March 17, 1998.
- NACE MR0175-98, *Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment* (revision of ANSI/NACE MR0175-97); comments due March 17, 1998.
- STCE TP 007, *Test Method for Coaxial Cable Structural Return Loss* (new standard); comments due March 3, 1998.

- UL 1, *Standard for Safety for Flexible Metal Conduit* (revision of ANSI/UL 1-1993); comments due March 3, 1998.
- Z21.11.2b, *Gas-Fired Room Heaters, Volume II, Unvented Room Heaters* (supplement to ANSI Z21.11.2-1992); comments due March 17, 1998.
- Z21.86b, *Gas-Fired Vented Space Heating Appliances* (same as CGA 2.32b) (supplement to BSR Z21.86-1997); comments due March 17, 1998.
- Z308.1, *Minimum Requirements for Workplace First Aid Kits* (revision of ANSI Z308.1-1978); comments due March 17, 1998.
- Z358.1, *Emergency Eyewash and Shower Equipment* (revision of ANSI Z358.1-1990); comments due March 17, 1998.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 531: 1995/prA1, *Protective clothing for workers exposed to heat* - April 20, 1998.
- HD 22.10 S1:1997/prA1:1997, *Rubber insulated cables of rated voltages up to and including 450/750 V - Part 10: EPR insulated and polyurethane sheathed flexible cables* - March 14, 1998.
- ISO/DIS 6326-2, *Natural gas - Determination of sulfur compounds - Part 2: Gas chromatographic method using an electrochemical detector* (revision of ISO 6326-2: 1981) - March 18, 1998.
- ISO/DIS 10691, *Transportable welded steel cylinders for Liquefied Petroleum Gas (LPG) - Procedures for checking at the time of filling* - March 18, 1998.
- ISO/DIS 12731, *Corrosion of metals and alloys - Susceptibility to caustic intergranular corrosion and stress corrosion cracking of alloys used in nuclear steam generator tubing* - March 4, 1998.
- ISO/DIS 12957-1, *Geotextiles and geotextile-related products - Determination of friction characteristics - Part 1: Direct shear test* - March 11, 1998.
- ISO/DIS 14738, *Safety of machinery - Anthropometric requirements for the design of workstations at machinery* - March 11, 1998.
- prEN 1822-1, *High efficiency air filters (HEPA and ULPA) - Part 1: Classification, performance testing, marking* (for information).
- prEN 1861, *Refrigerating systems and heat pumps - System flow diagrams and piping and instrument diagrams - Layout and symbols* (for information).
- prEN 13068-1, *Non-destructive testing - Radioscopic testing - Part 1: Quantitative measurement of imaging properties* - April 20, 1998.
- prEN 13071, *Above-ground mechanically-lifted containers with capacities for 80 l to 5000 l for selective collection of waste* - May 4, 1998.
- prEN 13084-1, *Free-standing industrial chimneys - Part 1: General requirements* - May 4, 1998.

- prEN 13087-1, *Protective helmets - Test methods - Part 1: Conditions and conditioning* - May 4, 1998.
- prEN 13096, *Transportable gas cylinders - Conditions for filling gases into cylinders - Single component gases* - April 20, 1998.
- prEN ISO 9946 REVIEW, *Manipulating industrial robots - Presentation of characteristics* (ISO/DIS 9946: 1997) - March 27, 1998.
- prEN ISO 13427, *Geotextiles and Geotextile-related products - Abrasion damage simulation (sliding block test)* (ISO/FDIS 13427:1997) (for information).
- prENV 50091-3, *Uninterruptible Power Systems (UPS) - Part 3: Performance requirements and test methods* (for information).

The following newly published international standards are available from ANSI:

- IEC 60227-3: 1997, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 3: Non-sheathed cables for fixed wiring*.
- IEC 60947-2: 1995, *Amendment 1: 1997, Amendment 1 - Lowvoltage switchgear and controlgear - Part 2: Circuit breakers*.
- IEC 61140: 1997, *Protection against electric shock - Common aspects for installation and equipment*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM has developed a World Wide Web home page at the following URL: <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is February 10, 1998).

- New Standard, *Practice for Opacity Monitor Manufacturers to Certify Conformance With Design and Performance Specifications* (Ref. Z3723Z).
- New Standard, *Guide for Selection of Sampling Equipment for Waste and Contaminated Media Data Collection Activities* (Ref. Z4173Z).

- New Standard, *Guide for Generation of Environmental Data Related to Waste Management Activities: Selection and Optimization Sampling Design* (Ref. Z5981Z).
- New Standard, *Guide for Data Assessment for Environmental Waste Management Activities* (Ref. Z6740Z).
- D 4547-91, (Includes change to title), *Practice for Sampling Waste and Soils for Volatile Organics*.
- G 152-97, *Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials* (revised standard).

The following newly published standards are available from ASTM:

- A 210/A 210M-96, *Specification for Seamless Medium-Carbon Steel Boiler and Superheater Tubes* (revised standard).
- A 437/A 437M-97, *Specification for Alloy-Steel Turbine-Type Bolting Material Specially Heat Treated for High-Temperature Service* (revised standard).
- A 965/A 965M-96, *Specification for Steel Forgings, Austenitic, for Pressure and High Temperature Parts* (new standard).
- C 645-96a, *Specification for Nonstructural Steel Framing Members* (revised standard).
- D 975-97, *Specification for Diesel Fuel Oils* (revised standard).
- D 2422-97, *Classification of Industrial Fluid Lubricants by Viscosity System* (revised standard).
- D 2596-97, *Test Method for Measurement of Extreme-Pressure Properties of Lubricating Grease (Four-Ball Method)* (revised standard).
- D 5970-96, *Test Method for the Deterioration of Geotextiles From Outdoor Exposure* (new standard).
- D 6025-96, *Guide for Developing and Evaluating Ground-Water Modeling Codes* (new standard).
- D 6026-96, *Practice for Using Significant Digits in Calculating and Reporting Geotechnical Test Data* (new standard).
- D 6028-96, *Test Method (Analytical Procedure) for Determining Hydraulic Properties of a Confined Aquifer Taking into Consideration Storage of Water in Leaky Confining Beds by the Modified Hantush Method* (new standard).
- D 6030-96, *Guide to Selection of Methods for Assessing Ground Water or Aquifer Sensitivity and Vulnerability* (new standard).
- D 6031-96, *Test Method for Logging In-Situ Moisture Content and Density of Soil and Rock by the Nuclear Method in Horizontal, Slanted, and Vertical Access Tubes* (new standard).
- D 6033-96, *Guide for Describing the Functionality of a Ground-Water Modeling Code* (new standard).
- D 6035-96, *Test Method for Determining the Effect of Freeze-Thaw on the Hydraulic Conductivity of Compacted or Undisturbed Soil Specimens Using a Flexible Wall Permeameter* (new standard).

- D 6132-97, *Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Over Concrete Using an Ultrasonic Gage* (new standard).
- E 943-97, *Terminology Relating to Biological Effects and Environmental Fate* (revised standard).
- G 15-97, *Terminology Relating to Corrosion and Corrosion Testing* (revised standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. [DOE-TSL-4](#) lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers

Office: 345 East 47th Street
New York, NY 10017

Fax: 212-705-8501

E-Mail: karianj@asme.org

Contact: Jack Karian

- ASME PTC 6.1, *Interim Test Code on Comparative Testing of Steam Turbines* (new standard).

American Welding Society

Office: 550 NW LeJeune Road
Miami, FL 33126

Fax: 305-443-5951

Email: chuck@awsparc.amweld.org

Contact: Charles Fassinger

- AWS F3.2, *Ventilation Guide for Weld Fume* (new standard).

Underwriters Laboratories, Inc.

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

Email: senap@ul.com

Contact: Patricia Sena

- UL 2496, *Standard for Safety for Electro-Sensitive Protective Equipment* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

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